Introduction to Scala Programming

Project Deliverable

- You will be required to submit a Scala script saved in a text file.

Instructions

Background Information

Clean up user-entered phone numbers so that we can send them SMS messages.

The National Numbering Plan of Kenya is a telephone numbering system used by many African countries like Tanzania, Uganda, and Rwanda. The only difference is the international country code.

The numbers are 12-digit numbers consisting of the country code 254 followed by a nine-digit numbering plan.

We represent this format as (NNN)-YXX-XXXXXX, where NNN is the country code, Y represents the digit 7, and X is any digit from 0 through 9.

Using Scala, your task is to clean up differently formatted telephone numbers stored in a collection by removing punctuation, the prefix +, if present, and any hyphens, so that the outcome is in the format: NNNYXXXXXXXX. You also need to validate digits that comprise the country code, Y and XXXXXXXX.

For example, the inputs:

```
+ (254)-703-434434
+254703434434
254-703-434434
0703434434
0703-434434
```

should all produce the output:

```
254703434434
```

Hint

Consider doing some external research to achieve the requirements of your solution. You can also review the work of others who solved a related problem in the past.